

Abstract of the Disclosure

5 A biomolecule microarray support for spotting solutions
containing probe biomolecules on the surface and immobilizing
the probe biomolecules in the solutions to the surface,
characterized in that a plurality of small-sized probe
biomolecule-attachable spots are arrayed in a regular
arrangement on the surface of the support. A biomolecule
microarray, made by spotting solutions containing probe
10 biomolecules on the biomolecule-attachable spots on the support
and immobilizing the biomolecules to the spots, can be used for
quantitative analysis because of uniform and unvarying numbers
of probe biomolecules bound to the spots. It also makes
possible high S/N ratio measurement because of prevented
15 nonspecific adsorption of target biomolecules to the surface of
the support other than the detection spots. The biomolecule
microarray support is fabricated precisely and efficiently by
the method of the present invention using the photolithography
and etching technique.